

CADDISFLIES (TRICHOPTERA) OF THE CRANBERRY GLADES IN WEST VIRGINIA¹

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ABSTRACT: This investigation represents the first detailed study of the caddisflies of the Cranberry Glades of West Virginia. Records are presented for 24 species representing 8 families and 13 genera.

Examination of adult caddisflies from black light traps of Marshall University (MU) students and records from the United States National Museum (USNM) have provided distributional information on caddisflies from the Cranberry Glades in West Virginia. In this investigation, records are given for 24 species that represent 8 families and 13 genera. Until recently, the study of caddisflies from the Glades has been neglected. Hill et al. (1977) reported the limnephilid *Pycnopsyche divergens* (Walker) and Hill and Tarter (1978) recorded *Limnephilus moestus* Banks and *Pycnopsyche scabripennis* (Rambur). Hill et al. (1978) recorded the phryganeids *Agrypnia vestita* (Walker), *Ptilostomis ocellifera* (Walker) and *P. semifasciata* (Say).

Cranberry Glades is a refugium in mountainous Pocahontas County where northern plants and animals have survived in the Southern Appalachians. It is an area of approximately 600 acres at the headwaters of the Cranberry River, which flows through the bog; the elevation is 3375 feet (Darlington, 1943). Kennison, Cranberry and Black Mountains surround the Glades and are approximately 4000-6000 feet.

Rhyacophilidae

<i>Rhyacophila carolina</i> Banks	1 male, 1 female; 28-VII-76(MU)
<i>R. fuscata</i> (Walker)	2 males, 1 female; 3-IX-77(MU)

Polycentropidae

<i>Polycentropus pentus</i> Ross	Adult; 21-VI-68(USNM)
<i>P. maculatus</i> Banks	Adult; 21-VI-68(USNM)
<i>P. clinei</i> (Milne)	3 males; 30-VII-76(MU) and 3 males; 5-VIII-77(MU)
<i>Nyctiophylax moestus</i> Banks	Adult; 21-VI-68(USNM)
<i>N. affinis</i> Banks	1 male; 25-VII-77(MU)

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Psychomyiidae

Phylocentropus lucidus (Hagen) 1 male; 30-VII-76(MU)

Hydropsychidae

H. sparna Ross 31 males, 16 females; 27-VIII-76(MU)
and 2 males, 1 female; 3-IX-77(MU)
H. scalaris group 3 females; 26-VIII-76(MU)
Diplectrona modesta Banks 1 male; 24-IX-76(MU)

Lepidostomatidae

Lepidostoma griseum (Banks) 1 male; 29-VIII-76(MU)
L. sackeni (Banks) 1 male; 29-VIII-76(MU)

Molannidae

Molanna blenda Sibley 1 male; 28-VIII-76(MU)

Phryganeidae

Ptilostomis ocellifera (Walker) 1 male; 10-VI-76(MU)
P. semifasciata (Say) Adult: 22-VI-68(USNM)
Agrypnia vestita (Walker) 2 males, 1 female; 30-VII-78(MU)

Limnephilidae

Limnephilus moestus Banks 3 males, 1 female; 30-VIII-76(MU)
Ironoquia punctatissimus (Walker) 1 male; 30-VII-76(MU)
Pycnopsyche guttifer (Walker) 6 males; 30-VII-77(MU)
P. luculenta (Betten) 10 males; 3-IX-77(MU)
P. divergens (Walker) 40 males; 28-VIII-76(MU)
P. scabripennis (Rambur) 10 males; 26-VIII-76(MU)
P. lepida (Hagen) 2 males; 26-VIII-76(MU)

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